



BADGER STATE Smoke Signals



Serving Amateur Radio in Wisconsin

Published Monthly Since 1969

Vol. 17 No. 4 - 197th Consecutive Monthly Issue - Baraboo, Wis. - April 1986

HAMS MAKE EXCELLENT SEVERE WEATHER SPOTTERS

By Edwin Addison III
Meteorologist in Charge
National Weather Service Office
Madison WI

Amateur Radio operators (Hams) provide a strong link in the program for tornado spotting in Wisconsin and across the nation. As a group of volunteers who have been trained to look for severe weather elements, you also have a unique communication system to supply the National Weather Service (NWS) with timely and very helpful information. For this effort, the NWS salutes all of you who participate.

Each NWS office in Wisconsin has a Ham base station located near weather operations during extreme weather situations. This Ham station serves as a link to a network of Hams located in various areas across the state. Thus, your first report is usually heard by the duty forecaster, who in turn will release warnings and statements as necessary.

As a reminder of what each Ham should report to the NWS, please use the following:

(1) A tornado on the ground, a funnel cloud aloft, a wall cloud or any observed rapid rotation of the clouds indicated and upward flowing motion.

(2) Large hail of 1/2 inch or greater in size - use the largest diameter as your measurement.

(3) Strong and/or gusty winds (estimated to be over 50 miles an hour.)

(4) Heavy rain that may cause flooding - 2 inches or more an hour.

(5) Flooding of any nearby streams that are rapidly rising to near bankfull or higher conditions, or flooding of roads or highways that you happen to observe.

In general, use your own judgement. If something looks dangerous and it is weather related, radio it in. If you are not able to broadcast, but you still view a severe element, telephone the information to the nearest sheriff's office and have them relay your report to the nearest National Weather Service office.

Should you desire to receive training in spotting severe weather, contact your county Emergency Government director for arrangements. It would be wise to have as large a group as possible to receive the training to ensure greater coverage of your area. The NWS may provide the training if time and finances are available.

From your editor:

If you are not a participant in severe weather net observations, we encourage you to become one. Become a trained weather spotter and help with this effort. This is a unique opportunity to serve! Our thanks to Ed Addison III for the above article. k9zz.

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 print items from BSSS provid-
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SWAPFESTS AND OTHER SOCIAL EVENTS

The 14th annual Madison Swapfest sponsored by the Madison Area Repeater Association will be held Sunday April 6, 1986 at the Dane County Expo Center in Madison, WI. Admission: \$2.50 advance, \$3.00 at the door. Tables: \$5.00 advance, \$6.00 at the door. (reserve early they sell out every year) MARA, Box 3404, Madison, WI 53704. For information on Exhibitor Booths, write to the above address or call (608) 222-4744. Be sure to attend this fine swapfest sponsored by one of our long time Badger State Boosters.

April 25-27 - DAYTON HAMVENTION

The Ozaukee Radio Club presents its Eighth Annual Swapfest at Circle B. Recreation Center (intersection of Highway 60 and County I) Cedarburg, WI on Saturday, May 3, 1986. Amateur License exams will be administered. (see Test Point) Admission: \$2.00 advance, \$3.00 at the door. Tables: 4-foot at \$3.00. Based on past experience, we strongly recommend that tables be reserved in advance. O.R.C. Swapfest Committee, 101 East Clay St, Saukville, WI 53080.

The DeKalb Hamfest sponsored by the Kishwaukee ARC will be held Sunday, May 4, 1986 at the Sandwich Fairgrounds (Suydam Road, just north of route 34), Sandwich, IL. Tickets: \$2.00 advance or \$3.00 at gate. Inside display tables \$5.00 each. Write: KARC Box 21, Genoa, IL 60135. Dealers Welcome, first come, first served or phone W9TMM (815) 756-6698.

June 8, 1986 - Santa Fe Park, IL - Hamfest - Sponsored by the Six Meter Club.

The Central Wisconsin Radio Amateurs, Ltd. Stevens Point Swapfest and Family Picnic will be held Sunday, June 15, 1986.

The 1986 South Milwaukee Swapfest will be held on July 12, 1986.

(We hope this early information will help avoid having 3 section swapfests on the same day next year.)

As a service to our readers, this section of Badger State Smoke Signals is available without charge to list your upcoming Swapfest, Hamfest, dinner, picnic, party or other event of interest to Radio Amateurs in Wisconsin and nearby areas.

Send information on your event to Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. In addition, space is available at attractive rates on our advertising pages, and/or we can include your flyers. For information on rates and requirements for our advertising pages, and/or for including flyers, please contact K9ZZ or K9EN.

CLUB MEETINGS:Badger Amateur Radio Society

(W9YT - University of Wisconsin - Madison)

Regular monthly meetings are held at 7:30 PM on the 2nd Wednesday of every month while school is in session, in 8314 Electrical Engineering Building.

Central Wisconsin Radio Amateurs, Ltd.

(Stevens Point)

Regular club meetings are held on the second Wednesday of the month.

Eau Claire A.R.C.

The Eau Claire Amateur Radio Club meets every second Tuesday of the month. Hams and guests are welcome.

The next meeting of the Eau Claire Amateur Radio Club is scheduled for Tuesday, April 8, 1986 at 7:30 P.M. at the Parks & Recreation Building on First at Oxford.

Four Lakes A.R.C. (Madison WI)

RED CROSS BUILDING, 4860 Sheboygan Ave, Madison, WI., first and third Tuesday each month.

Green Fox Amateur Radio Club

Meetings are held the third Monday of the month at 7:30 p.m. at the Green Lake Town Hall located at the intersection of county highways K and N.

Kettle Moraine Radio Amateurs:

All meetings are held on the SECOND (2nd) Friday of each month.

Manitowoc County Radio Amateurs

MANICORAD meets on the third Wednesday of the month at 7:30 p.m. at Manitowoc Red Cross at 20th and Washington Streets in Manitowoc WI.

Milwaukee Radio Amateurs Club:

All regular meetings of MRAC scheduled for 1986 at Wauwatosa Savings and Loan Building, 7500 West State Street, will be held on the second Thursday of the month.

Ozaukee Radio Club

Meetings held every second Wednesday at 7:30 p.m. in the Saukville Community Center

Riverland Amateur Radio Club

Regular meetings are held at 7:30 P.M., on the first Wednesday of each month in the Onalaska Community Center in Onalaska, WI.

South Milwaukee Amateur Radio Club

Meetings held at Legion Post 434, Shepard Ave., Oak Creek, on first Wednesday of the month. Auctions held at March and October meetings.

West Allis Radio Amateurs Club

Regular meetings are held on the second Tuesday of each month at St. Francis Savings, 9330 W. Greenfield Ave., at 8:00 P.M.

The Wisconsin Valley Radio Association. (Wausau)

Holds regular monthly meetings on the first Tuesday of the month at 7:30 p.m. The location varies, but information is available on the 146.04/64 repeater in Wausau.

Yellow Thunder Amateur Radio Club:

(Baraboo, WI)

All regular meetings of YTARC are at the Baraboo Civic Center. Meetings start at 7:30 P.M.

The meeting dates for 1986 are: April 10, in room 29, May 19, in room 25, June 10, in room 25, July 16, in room 29, Aug. 14, in room 29, Sep. 15, in room 25, Oct. 14, in room 25, Nov. 12, in room 29, & Dec. 11 in room 29.

Let us know of your club meeting dates, and we will let others know of your meetings and activities. There may be Amateurs in your area interested in joining your club, or members of other clubs interested in making an interclub visit.

MISCELLANEOUS MISCELLANEOUS MISCELLANEOUS

Oh what the heck -- items of interest:

Badger Amateur Radio Society (W9YT)

W9YT has been operating a Packet Radio station for a few months now.

Congratulations to new up-grades and novices. Gerry Morgan, N6CBX, to Advanced. Dave Begalske, KA9U8S, and Lisa Riegel are new Novices.

Central Wisconsin Radio Amateurs Ltd.

(Stevens Point)

WATTS SNOW

NJ9H, Ron Howe, formerly KA9TLY, is sporting his new call with his Extra Class License.

A CPR course will be held at UWSP on Monday evenings, April 21 and 28. Contact Frank Guth, W9BCC.

Central Wisconsin Repeater Association

(Baraboo/Madison)

At the recent annual meeting, the report on the membership balloting, by the election committee, was accepted. Don Bucchoiz, KC9JP was elected to the Board of Directors. Also N9FBL and WD9DHI were accepted as new members.

Madison Area Repeater AssociationMARA NEWSLETTER

The members elected Steve, WB9YSD, as Vice-President. Steve is now head of technical operations of our repeater systems.

Help is needed with the up coming April 6 Swapfest. Contact Tom, W9KE, if you can help.

Taylor County Area Amateur Radio ClubTaylor County ARESThe Communicator

Congratulations to new Novice Jody Campbell, who made the Honor Roll at Rib Lake High School.

West Allis Radio Amateurs ClubHANTRIX

Les, W9YCV, received his 100th confirmation, so will be receiving a 2 meter VUCC certificate. He also has 29 states confirmed.

Our thanks to the above mentioned clubs and their bulletins for the information presented. Badger State Smoke Signals will be pleased to exchange bulletins and information with your club. Please contact K9ZZ or K9EN.

THE TEST POINT

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

April 6, 1986	Madison, WI
April 12, 1986	Milwaukee WI (Wauwatosa)
April 19, 1986	Wisconsin Rapids, WI
April 19, 1986	Milwaukee WI (Waukesha)
April 19, 1986	Minneapolis MN
May 3, 1986	Cedarburg, WI
May 17, 1986	Milwaukee WI (Waukesha)
May 17, 1986	Robbinsdale, MN
June 7, 1986	St. Paul, MN
June 15, 1986	Stevens Point, WI
June 21, 1986	Milwaukee WI (Waukesha)
July 19, 1986	Minneapolis, MN
August 16, 1986	Robbinsdale, MN
September 20, 1986	St. Paul, MN
October 18, 1986	Minneapolis, MN
November 1, 1986	Stevens Point, WI
November 15, 1986	Robbinsdale, MN
December 13, 1986	St. Paul, MN
Third Sat. Monthly	Loves Park, IL

General rules for all examinations:

All examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs may permit walk-ins. Check with sponsor to find out if they allow walk-ins.)

To register for these examinations, you must first secure a copy of the current FCC Form 610.

Fill it out completely (AND CORRECTLY). Get your form from any of the FCC field offices, the ARRL or Badger State Smoke Signals. Send a 22¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group. Remember-- you must file at least 30 days in advance unless otherwise indicated.

ARRL/VEC examinations require a check for \$4.25 payable to ARRL/VEC.

The FCC now requires applicants to show their original Amateur license to the VEC. As in the past, a copy of your license must be attached to the properly filled out FCC form #10.

Additional information is given below.

Sunday, April 6, 1986 - Madison, WI
(MARA Swapfest - No admission fee for testees)
Four Lakes ARC - (ARRL-VEC)

Walk-ins Accepted.

Contact: Gary Lincoln, W9UDY
6015 Winnequah Rd.
Monona, WI 53716

Saturday, May 3, 1986 Cedarburg, WI

Ozaukee Radio Club - Swapfest

Contact: Ed Rate, AA9W
9822 N. Andover Court
Mequon, WI 53092

June 15, 1986 Stevens Point, WI
November 1, 1986 Stevens Point, WI

Central Wisconsin Radio Amateurs, Ltd. - (ARRL/VEC)

Contact: Joe Larson N9JH
644 Portage Street
Stevens Point WI 54481

Saturday, Apr. 12, 1986 Milwaukee, WI (9:00am)

MILWAUKEE METRO AREA TEST TEAM. - (MRAC - VEC)

In room 256 at the Wauwatosa East High School, 74th and Milwaukee Ave. Use the East (74th Street) entrance.

File on a Postal System post card (14¢) mailed to:

The Milwaukee Radio Amateurs' Club, Inc
N50 W16328 Pin Oak Court
Menomonee Falls, WI 53012

PLEASE PRINT listing the grade of license you are applying for, your name, address, including Zip Code and your telephone number.

MRAC -- Your Wisconsin based VEC for Region 9.

Let Badger State Smoke Signals know of your exam schedule. We would also like to know of your results.

Third Saturday of every month.

Northern Illinois Volunteer Examiners (DeVry VEC).
Held at North Suburban Library on North Second Street in Loves Park, IL.

Contact:
Gene Melton, AK9N
124 S. Chicago Ave. #2
Rockford, IL
(915) 229-7249

April 19, 1986 - Wisconsin Rapids, WI

Contact: Gene Santoski, K9UTQ
1220 18th St., South
Wisconsin Rapids, WI 54494

Minnesota tests - contact information:

Gopher/Minneapolis ARC:	Robbinsdale ARC:
Fred Hird	Neil McMillan
4716 Emerson Ave. S.	11132 97th Place
Minneapolis, MN 55409	Minneapolis, MN 55369
824-7702	(424-6248)

St. Paul ARC:
Jay Bellows
997 Portland Ave.
St. Paul, MN 55104
222-7253 (home) - 291-8015 (work)

MILWAUKEE VOLUNTEER CORE GROUP - DEVRY VEC

April 19 - May 17 - June 21, 1986

The MVEC will be giving Amateur Radio exams in the Service Occupation Building in rooms S0208 and S0209 at the Waukesha County Technical Institute on the above dates. Walk-ins are welcome. Free coffee. Exams start at 9:00 a.m. Exam fee is \$4.00. Please bring your original Amateur license - FCC rules require the examiners to look at it. If interested in being examined, please send a postcard with your name, address, telephone number, date you wish to be examined, and the grade of license you wish to achieve.

Send the card to:
Syl Janczak, W9JKZ
3127A West Madison
Milwaukee WI 53215.

Note: All exams are available in Braille, large type, and on cassette tape for the visually impaired. Exams for shut-ins by appointment only.

This section of Badger State Smoke Signals is available to publicize your Volunteer Examiner Amateur Radio license examination schedules.

Please send us your schedules of dates, times, and locations that you will be conducting examinations and we will include the information here. Be sure to include contact address and any other necessary requirements. Information should be sent to K9EN or K9ZZ at the address shown on page 2.



YELLOW THUNDER A.R.C.

The March 12, 1986 meeting of the Yellow Thunder Amateur Radio Club was called to order in room 29 of the Baraboo Civic Center by President Art Kleefisch, W9WSS.

The Following Members were present:

Art Kleefisch, W9WSS	Baraboo, WI
Ken Ebnetter, K9EN	Portage, WI
Jim Decker, WB9UQT	Baraboo, WI
Maurey Gurgel, KA9TBU	Reedsburg, WI
Bill Klinkner	Sauk City, WI
Peter Sweeney, WD9JIB	Reedsburg, WI
Harold Reif	Baraboo, WI
Harry Mayland, K9FFT	Baraboo, WI
Harry Westlund, K9EHJ	Baraboo, WI

The minutes of the previous meeting were accepted as printed in Smoke Signals. The treasurers report was presented by Treasurer Jim Decker, WB9UQT showing a balance in all accounts of \$232.27. The report was accepted.

Communications and Announcements:

Ken, K9EN, read a couple items from Westlink Report and the ARRL Letter.

Committee Reports:

Class Committee: Art, W9WSS, reported for the Class Committee. They have 4 steady students, of which Jon Nelson and Sandy Hemmer have passed the code exam. The class members built code practice oscillators at the last session using a pc board and 555 timers.

No old Business:

New Business: The use of the equipment fund and possible equipment purchases for the club were discussed. A motion was made by Maurey Gurgel, KA9TBU, and seconded by Harry Westlund, K9EHJ, to authorize the executive committee to purchase a digital frequency meter for use by club members at a cost not to exceed \$130.00, with monies to come from the equipment account and the general account. Since the equipment fund was involved, a two-thirds vote was required. The motion was passed upon a show of hands.

Up-grading classes were also discussed, and the possibility of classes later this year will be brought up at a later meeting.

A request for membership was received from Jim Romelfanger, K9ZZ. (His membership had lapsed last year). A motion was made and seconded to accept. The motion passed unanimously.

Buck Night: Since there was a winner last month, this month's award was \$1.00. The winner, as selected by Art's calculator, was Gordon Grant, W9ULM. Gordon was not present, so next month the big prize will be \$2.00.

The meeting was adjourned by the President.

Following the meeting, there was a discussion of Amateur Radio, equipment problems, club problems, etc. The discussions continued at the Country Kitchen, where Ken offered to buy everyone a piece of carrot cake.

Respectfully Submitted,
Ken Ebnetter, K9EN, Secretary

YTARC BIRTHDAZE:

Only one birthday this month.

William Klinkner April 27

SENTENCE SERMON

Easter means that love is stronger than hate. On Good Friday hate did its worst. We still think today that we can conquer men by force and hate. It cannot be done. Love alone wins.

-----Christian Family Alter

ARMED FORCES DAY 1986

From WORLDRADIO, April 1986

The annual Armed Forces Day Communication Test is set for Saturday, 17 May 1986, and marks the 37th anniversary of this event, which emphasizes a continuing climate of mutual assistance and warm esteem between the military and Amateur Radio communities. The traditional military-to-Amateur crossband operation and broadcast of the

(continued on page 17)

From the Laybroatories of Vrah Remah - J8XGN+1

(Editor's Note: We are happy to have heard again this year from Vrah. Here is his report.)

Dear James:

Time again for a report on our developments in the Amateur field, what with the many changes that have taken place over the years.

CW is now mostly on keyboards of computers, AM has all but died, FM and SSB are being replaced by SSTV, RTTY, AMTOR and Packet operations, but none of these modes provide privacy in communications with your favorite hobby.

Since the police have long used inverted speech and now cable TV has gone to scrambling programming, it seems time for the Amateurs to develop a means of private yakking with your best friend about your date last night without all the LIDS and SWLs rubbering in.

So, we have been developing a new mode called SCRAMBLOR.

This mode is really not that difficult, what with all the developments of computer technology, plus the digital mode of transmission and reception.

Of course, I cannot reveal the circuitry used, as we are now in the process of patenting it, and have several manufacturers bidding for the right to market it, as their sales of old obsolete FM and SSB equipment has fallen off.

I will divulge this much to you: You need only to modify some existing equipment to accomplish this new mode, plus the addition of a new unit we are calling a MEDOM.

What really happens is, that by synchronizing reversal of your disk drive and printer with inverted digital pulse code, this makes the system virtually foolproof.

This will drive the "Hackers" crazy.

The only problem we have had so far is that some of the Daisy-Wheel printers won't spin in reverse and certain computers are not equipped with a triple-prong socket to accept the plug from the MEDOM.

I'm sure that we can overcome these and other small glitches that may creep in due to QRM from 5 KW stations in California.

I will enclose my private access code with this letter, so that you and I can dis-

cuss this on the air in complete privacy, as soon as you modify your equipment with the enclosed diagram.

Hope you receive this by April 1st.

I am sure that we have scooped the industry with our SCRAMBLOR system and may be able to retire at last.

73 es GUD SCRBLG

Vrah Remah - J8XGN+1

Moon May Explode Duane Grotophorst K9HKL

On April 1, the FCC, at the urging of hundreds of other government agencies, has issued an emergency suspension of all Amateur activity when the moon is above the station's horizon, particularly EME (moonbounce).

This action stems from the concern that the moon is almost ready to explode. In fact, during the last EME contest, the participants could hear a distinct "creaking" sound on the lunar echoes.

The problem, according to FCC spokesperson Ralph R. Spiffie, is that all radio frequency energy being shot at the moon is causing the moon to heat up and to oscillate, which, in time, could cause it to explode. Spiffie indicated that the problem is similar to thermo-frequency heating (TFH), originally discovered by GEARVAKf. TFH has caused fires on various Ham bands. The lunar problem has been dubbed TLH (thermo-lunar heating).

Spiffie indicated that the "tremendous increase in EME activity by Hams is suspected as being the major cause of the problem. The problem is so critical that an emergency WARC is being called to address the problem. It is expected that a worldwide ban on all signal emissions in the direction of the moon, either intentional or incidental, will be implemented."

This means that if the moon is above your horizon, it will be a violation to operate your station. These regulations will also apply to all commercial stations if the moon is above their horizon.

Some theories have been advanced as to how the problem can be corrected. One idea is to launch several thousand high-power satellite transmitters and place them into orbit around the moon. These transmitters can then be used to radiate the back side of the moon with "negative RF".

This would cancel out earth-originated RF.

Another idea is to establish an international "phasing harness" so that all the transmitters worldwide can be "interphased," therefore, all the RF generated will self-cancel before reaching the moon, thus eliminating the problems.

There are several more ideas that may solve the problem but, since they won't cost billions of dollars, they have been rejected.

Until the corrective measures are implemented, DO NOT radiate a signal toward the moon, as we Amateurs don't want to be the cause of a moon explosion.

MRAC = Prestige

H. Charles Kaetel, W9SNK, Business Manager of the Milwaukee Radio Amateurs' Club, Inc. of Milwaukee, tells us in a note:

"Here at the prestigious Milwaukee Radio Amateurs Club we are busily engaged in processing and mailing QSL cards for the Challenger F-51 Space Shuttle. NASA and Newington are swamping us with requests from every part of the world. We don't count the incoming stuff in hundreds or thousands - just measure it in cubic feet of paper!!

"Stateside, Canada and Mexico are going out first. Then worldwide. First piece we mailed went to prestigious Lester A. Peterson, W9YCV!"

Thanx for the note, Charlie - and before you are finished with the job, you'll all have leather tongues.

FAR Scholarships Announced

The Foundation for Amateur Radio, Inc., a non-profit organization with Headquarters in Washington, D.C., plans to award twenty one (21) scholarships for the academic year 1986-87.

The Foundation, composed of fifty local area Amateur Radio Clubs, fully funds two of these scholarships from the proceeds of its annual Hamfest.

It administers, without cost to the donors, 7 scholarships for the Quarter Century Wireless Association, 2 each for the Dade (FL) Radio Club, the Baltimore (MD) Amateur Radio Club and the Department of State Amateur Radio Club, and 1 each for the Radio Club of America, the Richard G. Chichester Memorial, the Young Ladies' Radio League, the Edmund Redington Memorial, the Amateur Radio News Service and the Columbia (MD) Amateur Radio Association.

Licensed Radio Amateurs may compete for these awards if they plan to pursue a full-time course of studies beyond high school and are enrolled or have been accepted for enrollment in an accredited university, college or technical school. Most of the scholarships require the applicant to hold at least an FCC General class license or equivalent.

The scholarship awards range from \$350 to \$900, with preference given in some cases to residents of specified geographical areas or the pursuit of certain study programs.

Additional information and an application form can be requested by letter or QSL/postcard, postmarked prior to May 31, 1985, from F A R Scholarships, 6903 Rhode Island Avenue, College Park MD 20740.

The Foundation is a 501(c)(3) organization devoted exclusively to promoting the interests of Amateur Radio and those scientific, literary and educational pursuits that advance the purposes of the Amateur Radio Service.

Morse Telegraph Club to Meet

On April 26, 1986, the Milwaukee-Madison Chapter of the Morse Telegraph Club will be meeting at the Mid-Continent Railway Museum, North Freedom, Wis., to honor the founder and inventor of Morse telegraphy, and more familiarly, to "Hams," our "CW" code. Any Ham interested in the history of Morse telegraphy is welcome to attend.

The club is open to anyone who can send and receive either American or International Morse. The annual dues are \$5.00, which includes the club's international publication "Dots and Dashes," a very interesting paper about telegraphy and radio.

We will again be on the national hook-up, furnished by Western Union and the various telephone companies involved, throughout the U.S. and Canada. There are usually about 45 chapters that participate in the observance. Besides the national wire, we will have a local setup, which will be a straight landline, with sounders and keys, and a 2-meter setup, using either sounders or monitor phones.

The "MW" chapter has grown considerably in the past couple of years, from 17 members to 55, due considerably to the efforts of Mr. Sid Vaughn, NØDJ, of Mt. Vernon, Iowa. He was elected as our new

Secretary-Treasurer last year. Sid has also compiled a list of all Hams in the U.S. and Canada who are also members of the Morse Telegraph Club.

We are hoping to have a good turnout and to see some new faces from the Ham fraternity. You do not have to join to spend the day with us, but we will welcome you if you do decide to join us. For more details, you can contact me at (608) 356-6002 in Baraboo, Wisconsin.

73, Bob King KA9GNY
411 Lynn Avenue
Baraboo WI 53913
Scribe for "MW" Chapter
Morse Telegraph Club

SMall Talk

Richard R. Regent K9GDF
SM Wisconsin
5003 South 26th Street
Milwaukee WI 53221

ARRL HEADQUARTERS WON'T BUDGE

Q. Is League Headquarters moving?

A. Ever since ARRL Headquarters moved down the street from West Hartford to Newington, there's been occasional thoughts to relocate again. Board Directors asked this question: Would moving to a central spot in the United States, for example, improve membership support? After several months of study by a special committee, the moving question was answered. "There would be no clear benefit to the League or its objectives, nor sufficient advantages to Amateur Radio, to offset the costs of any move." So, for a while, Headquarters will remain at 225 Main Street.

ONE PAYMENT IS GOOD FOR LIFE

Q. What is the cost of ARRL Life Membership these days?

A. You better sit down for this answer.

It's based on twenty-five times the annual dues rate, so, at \$25 per year, that makes Life Membership current cost \$625.

If you don't carry that kind of cash, there is some good news: an applicant may choose an alternative time-payment plan of eight installments over a two and one-half year period. As a bonus to oldtimers over

age 65, Life Membership is only \$500.

U.S. Amateurs shouldn't complain too much because Life dues in Canada are \$750, and are \$825 elsewhere.

SNOWMOBILE MOBILE, YAH SURE

Q. What happened to K9FHI?

A. Roy A. Pedersen, K9FHI, former Wisconsin Section Manager of 11 years, has found vitality and vigor in pursuing new aspects of Ham Radio, and frequently checks into SSB traffic nets.

Roy, whose licensed Amateur experience will have spanned 25 years in April, 1986, settled back down to earth after his hot-air balloon 2-meter operation, and now enjoys snowmobile mobile.

So, if you should spot three people at a swapfest or in a snowmobile wearing matching red jackets with plenty of sewn-on patches, it's probably the Pedersens: Roy, K9FHI; his wife Beryl, KA9BAC, and their son Gary, KA9BAE.

Roy can sometimes be spotted where he works - he's the feller with the electrician's tool belt, but plans to retire in the spring of 1987.

Please send your questions and problems to SMall Talk, K9GDF, address above.

From Your Editor

Ken Ebnetter, K9EN, who cranks the mimeo every month for our humble offering, and myself, are proud of a singular honor - we both are now Associate members of GEARVAKf!

Ken's certificate, #72, cites him for "exhibiting an unhealthy and unnatural interest in GEARVAKf and supporting it anyway," while mine, #71, commends (?) me for "displaying the lack of good sense to carry GEARVAKf articles in a real, honest newsletter."

Wow! This ranks right up there with DXCC and WAZ!

For what it's worth, I've got an MFJ 1270 Terminal Node Controller (TNC) for Packet Radio on order. MFJ says in a recent telephone conversation they expect to ship the first week in April. Also, the MFJ 1270 TNC includes power supply.

Finally, I'm lousy at acknowledging correspondence; my apologies to those who don't get answers from me.. if it didn't come back, I got it.. and.. thanx! k9zz Jim

CROSSWORD PUZZLE - CALL LETTERS

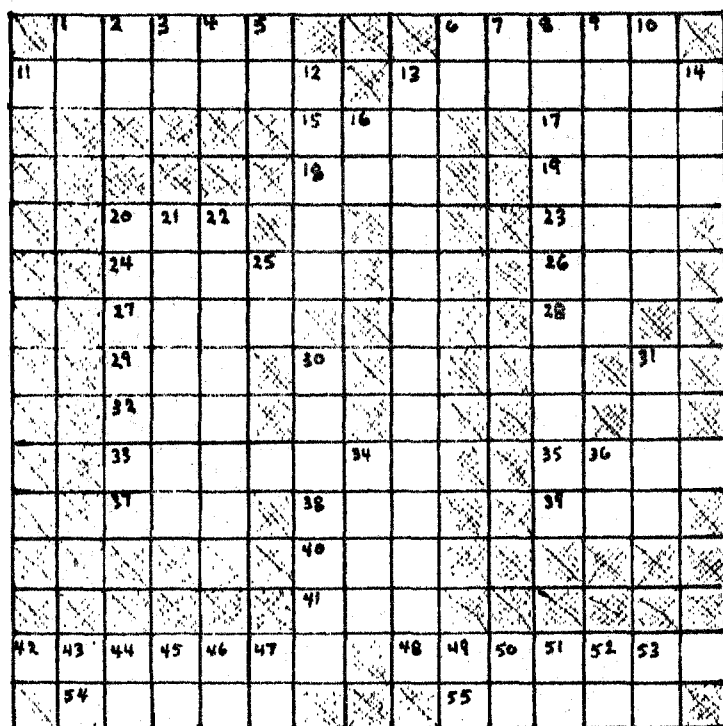
DOWN

By Ernie Gershon, K9ZVU, La Crescent MN

ACROSS

1. Handy aid for DX hounds
6. City in HP
11. City in State of WKN7
13. ZA
15. Gun to the criminal
17. A track man does them
18. Eventual call in Venezuela
19. Signed: Lover Gal, plus postscript
20. Radio Amateur Assoc.
23. 5th sign of Zodiac
24. Satellite operators know about this
26. Sea eagle
27. I smell
28. Transmit signal
29. _____ i me tangere
30. Possible call in Faroe Is.
34. City in UB5
35. City in UK2
37. Suffix for people in BY
38. How the veteran CW operators copy code
39. Observe
40. Best greetings (CW operator)
41. Future flower
42. City in HB
48. City in UR2
54. River in F
55. TR8

1. Extra Class prefix
2. Transmit, receive
3. City in W6 land
4. Morning
5. Short for Simon
7. Province in VE
8. See title
9. Donkeys
10. JA, Alt. name
12. SU
13. What WAZ is
14. Onager
16. Audio Visual
20. City in WKN4-land
21. Creek beds in WKN5
22. Molusk
25. Prefix: Sicily
30. Site of great rescue in 5X5
31. Nobleman, magistrate in IT
35. Island in KH6
36. For instance
43. Franz Josef Land
44. Canada
45. And, in XE
46. Nurse
47. Beam direction
49. San Gabriel
50. Prefix: Turkey
51. Old Boy
52. Negative
53. Not out



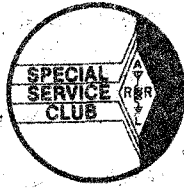
-K9ZVU

Solution is on page 11

VARIOUS AND SUNDRY THINGS

Frank Guth, W9BCC, Stevens Point, sends along a clipping from the Stevens Point Journal for February 26, 1986, and on the features page, we see Frank himself, along with Bill Hebal, whose call I dunno. It's a very well done feature article on Amateur Radio, in fact it is one of the best I've ever seen. Mentioned are Frank and Bill, along with Fred Hebal (Bill's brother) and Bob Baird, W9NN. After reading the article, I note this: the reporter was alert and he understood the topic. Kudos, Stevens Point crew!

Have you had a very interesting experience in Ham Radio which the general public would enjoy reading about? If so, please send it in writing to Lenore Jensen, W6NAZ, 14867 Round Valley Dr., Sherman Oaks CA 91403. Profits from a book of these go to the ARRL Foundation. Rescues, humor, coincidences.. things for non-Hams. Danke.



On March 5, 1986, at 7:45 p.m., the regular monthly meeting of the Riverland Amateur Radio Club was called to order by President Craig Goldbeck. The minutes of the February meeting were approved as read from the Badger State Smoke Signals. The Treasurer's report was approved.

37/97 Report: At this time the repeater is working good so there is nothing to report. The Committee has sent the letter of explanation on the repeater to the management of WXOW, at this time there has been no response.

Volunteer Exam Report: Next exam has been pushed back because there has not been enough interest. We are looking at June as the next test session.

Old Business: Prefix Contest ends tonight, anyone with their totals for the last three months are to see Craig after the meeting to determine a winner. The winner will receive a 2" x 8" desk sign with their call sign engraved on it which was donated by Rick, KV9U.

Charlie, KA9UUK, has completed the study and rewriting of our Constitution. A motion was made and seconded that we adopt the Constitution that Charlie has presented to us as our new Constitution. The motion was passed. Charlie will have copies made which will be available to our members at the next meeting.

It was reported that our Swapfest date has been confirmed for July 26, meaning that the Community Center has been reserved for that day.

It was requested that Ray, WA9HHM, be appointed to the Repeater Committee, because, as it was pointed out, he has put in many hours of his own time in helping the Committee in repairing the repeater. Ray declined, so no appointment was made.

New Business: Anyone with any technical problems that they need help with are invited to ask it during the meeting and anyone who can help will get with them after the meeting.

There is some interest in having QSL cards printed with our Club logo on it that can be adapted to anyone's call letters. A study of this will be done and discussed at our next meeting.

It was noted that the space for Riverland Amateur Radio Club in BSSS consists of one page, so there is ample room for something that any of the Club members would like to add to the monthly report, something technical or amusing anecdote, for example.

Subscription rates for BSSS for our Club was discussed, it was noted that BSSS has very favorable rates and our association with the publication will continue.

The idea of donating something to the Community Center on behalf of our Club was discussed. A study of what might be needed will be done and discussed at our next meeting.

A motion was made and seconded that the Club purchase 2 copies of "Tune in the World with Amateur Radio," which is put out by the ARRL, for the purpose of loaning out to anyone interested in Amateur Radio. The motion was passed.

The meeting was adjourned at 8:20 p.m. Total members present was 27. Program was a Mini-Swapfest.

Respectfully Submitted: Greg A.
Miller, Sec./Treas. R.A.R.C.

Members Present - March 1986

Greg A. Miller	KA9FOZ
Hugh Barker	KA0EJZ
Craig Goldbeck	N9ETD
Gary Mattie	KA9RQY
Phil Long	KA9RLI
Bob Colleran	W9JLH
H. Ludvig	W9HJV
N. Bentzen	K9EGO
Jim Burcum	K9LBX
Knute Knutson	W9SFL
Bruce Bjerstedt	K9CUT
Jim Molledahl	W9BI
Ernie Gershon	K9ZVU
Roger Reader	KA9BKK
Ray Wakeen	WA9HHM
Ron Reed	KD9OY
Tom O'Brien	WB9BJQ
Van Elston	WA9FIO
Ken Weigel	N9CDT
Gary Webb	N19V
Mike Nelson	KB9RJ
Bob Pluntz	WD9FKV
Charlie Burch	KA9UUK
Art Osbourn	W0JDC

Riverland ARC - Continued from Page 10

Rick Williams
Gary Countryman
Duane Fruechte

KV9U
KD9RL
W9HWQ

Guests Present

Jackie Lyon - Melissa Webb - Phillip Weigel

Propagation Predictions

Woody Minar K9EF
13508 Tabscott Drive
Chantilly VA 22021

Amateur short wave radio predicting is about as accurate as predicting New England weather - if you don't like it, wait an hour. Accurate real-time measurements and predictions can be made from ionospheric sounders, Doppler measuring equipment, and just being on the air. Plugging variables into scientific formulae increases the accuracy of manual predictions, but "El Sol" still has the final say.

Solar particle radiation causes short wave radio communications signals to flutter, fade, weaken, or disappear. It is also responsible for the increased noise one hears during short wave fadeouts and times of bad propagation.

Since solar particle radiation also affects the earth's magnetic field, its level

can be derived from certain measurements. The measurement of the earth's magnetic field is called the Planetary A (Ap) index. There are several observatories worldwide, but the measurements from the observatory in Fredericksburg, Virginia, are used for my calculations because it is nearest the latitude for which predictions are to be used.

You may have heard these measurements referred to as the "Kp" index. The Ap and Kp indices reflect the same data, except the Ap index is expressed in linear numbers (0-400), whereas the Kp index is expressed in a logarithmic scale (0-9).

For those of you who were on the air February first through the sixth should have seen better than average propagation. This was soon squelched by a solar flare (polar cap absorption event) which occurred from 07/2200Z to 08/1200Z. An almost unprecedented Ap of 208 was reached on Feb. 8th - nearly twice that of five other major solar flares since my record keeping started on May 1, 1974. No doubt, communications were next to impossible then.

Next month, more on the Ap and Kp relationship and its historical predicted importance. Next month's predictions are:

DATES

OUTCOME

March 15-16

Good

March 21-23

Very Bad

March 29-31

Very Good

April 4 - 6

Bad

April 11-13

Good

April 18-20

Very Bad

CROSSWORD PUZZLE SOLUTION

A	T	L	A	S		A	N	C	O	N
L	A	R	A	M	I	E	A	L	B	A
					G	A	T		L	A
					Y	V	O		L	G
	R	A	A	P	K			L	E	O
	O	R	B	I	T	E		E	R	N
	A	R	A	T		N		T	S	
	N	O	L	E		O		T	D	
	O	Y	O		N	F		E	O	
	K	O	N	O	T	O	P		R	I
	E	S	E		E	A	R		S	E
					B	H	I			
					B	U	D			
L	U	C	E	R	N	E	E	S	T	O
A	I	S	N	E			G	A	B	O

W9DAX - SILENT KEY

Irwin (Irv) Prafke, W9DAX, of Madison, died in a Madison hospital on March 14, 1986, at the age of 76.

Irv was a member of the Madison Area Repeater Association (MARA) and the Central Wisconsin Repeater Association (CWRA.)

A cheery "hi!" and maybe a little ribbing were always a part of a W9DAX greeting, along with a smile that said, "It's good to see you."

Irv was a willing volunteer worker, and he was always one of the first to offer his services for the MARA Swapfest.. and he worked without complaint.

He leaves many relatives and friends, including his wife Ruth, and two sons, David and John, to whom we extend our sincere condolences.



THE WISCONSIN PACKETER

WISCONSIN AMATEUR PACKET RADIO (W.A.P.R.)

P.O. Box 1215

Fond Du Lac, Wisconsin 54935

AMATEUR RADIO NEWS

The American Radio Relay League, Inc.

FCC OKAYS RETRANSMISSION OF THIRD-PARTY MESSAGES ON PACKET RADIO ABOVE 50 MHz.

Newington CT, March 14 -- Today the Federal Communications Commission (FCC) released a waiver of the rules to permit retransmission of third-party traffic via packet radio under certain conditions in response to a Petition for Extraordinary Relief filed by the American Radio Relay League (ARRL).

The following is the text of the waiver:

"(a) The provision of Sections 97.80(b) and 97.114(b)(4) are waived to permit amateur stations, retransmitting digital packet radio communications (see Section 97.69) on frequencies 50 MHz and above, using the AX.25 (or compatible) protocol, to be operated under automatic control while retransmitting third-party traffic. See Section 97.3(v).

"(b) This waiver applies only to the retransmission of third-party traffic originated at another amateur station which is under local control or remote control. See Section 97.3(m).

"(c) When an amateur station is operated under automatic control, devices must be installed and procedures must be implemented which will ensure compliance with the rules when the control operator is not present at the control point of the amateur station. See Section 97.80(a).

"(d) This waiver will remain in effect until the Commission takes final action on the petitions for reconsideration filed in PR Docket No. 85-105."

The Waiver Order goes on to say:

"Control operators of amateur stations capable of monitoring AS.25 packet transmissions must be alert to the increased dependency upon them for monitoring during the period of this waiver. We call upon them to immediately make known to the responsible control operator of a station retransmitting communications under automatic control any misuse of the station so that the control operator can take prompt corrective action."

According to FCC officials, formal Commission action on the pending Petitions for Reconsideration is not scheduled until late summer.

PACTECH

by Dennis, N9EYI

Welcome back to pactech. I thought I would let you folks know just what equipment I am using. I am run-

ning my old reliable RS color computer along with my TAPR TNC-1 that I purchased and assembled back last April. Then having additional packet budget, I wanted portability and mobility, so the natural set up there was a discounted RS model 100 and of course, the 12V TAPR TNC-2. Both systems work great to date and I have had a lot of contacts and fun with both. I still have to work portable packet, but mobile packet in different cities is always a lot of fun. Of course, I don't type and drive at the same time, I leave the driving up to the co-pilot, or just plain stop and park for awhile. Now in the car, you could start to accumulate a lot of power cables, so I tapped the power cord to the radio to power the TNC-2, and the tapped the 5 volt regulator in the TNC-2 for the RS model 100. After 4 months of use, every thing works like day one, and really cuts down on all the connections to your car's 12 volts.

I have come to like the TNC-2 and model 100 so much that it has become my main setup for home use too. Now because of that, my TNC-1 has started to get a little too neglected (especially for the \$\$ invested in it). After monitoring a local gateway station one day, the use for the TNC-1 became quite apparent, HF packet! After a little investigation it was found to be quite easy to convert to HF. What is suggested is a flat header (available from TAPR or Heath), a 300 baud header (which only changes 2 parts on the header, also available from TAPR), and last but not least is the recalibration of the TNC's tones and your all set. Or is it?

I don't have an HF transmitter, only a general coverage receive. So all I intended to do was monitor the action, and that was worth it right there. Daytime activity can be found on 20 meters (14.100-14.110) and 40 meters (7.093) at night. Now however, come the hitch... I have never had such a hard time tuning a packet station as I have had tuning in RTTY or AMTOR. It's not impossible but it's so touchy that people transmitting are not even on the exact same frequency. Don't despair, there are numerous articles telling how to build tuning indicators and TAPR is said to be having a kit soon. The real news however, is that AEA will solve everyone problems by having available a PM-1 packet modem. You connect this unit to your TNC and then the two radio connectors to your VHF and HF radios and that is it! At a flick of a switch, you have VHF or HF modes, plus a tuning indicator. No modifications to your TNC for HF, just hook it up and you are off and running. Looks like March for delivery so I will be looking for reports on this item.

And... for now 73 de N9EYI

MEETING PLANNED

(Jefferson Swapfest, 3/16/86) WD9ESH, WD9DHI & WB9WRW met at the Jefferson fest and discussed the possibilities for the July W.A.P.R. meeting. Gregg & Ron then made arrangements with Verne Teske, W9RYA to tentatively schedule the meeting to be held during the South Milwaukee Swapfest, on July 12, 1986. More on this meeting in later issues. Keep in touch.

PACKET MAP

The packet map project has been undertaken by the Milwaukee Amateur Radio Emergency Service. All W.A.P.R. members are listed to receive a copy when it is completed. This map is being made by a professionally printed and expected to be out sometime in April. Other packeteers, not listed should get in touch with a member of this ARES group and make arrangements for such map.

MINNEAPOLIS/ST. PAUL PROBLEM

The following text was taken from a letter that was sent to most packet radio operators in the Minneapolis-St. Paul area. It was titled: Packet Radio needs your help!

By now, you have probably heard the comments about the congestion that is occurring on the main packet frequency, 145.01. Most congestion is caused when local PBBS operation occur, interfering with the ham operation in keyboard-to-keyboard mode, commonly referred to as "real time operation." It is our understanding that in the national scheme of things, the main packet frequency is 145.01, and it is intended for real time operation, whereas PBBS is a local, low priority device, and should not be operated to interfere with real time operations, particularly the long haul contacts utilizing digipeaters.

We propose local PBBS operations be moved to another frequency, such as 145.09, along with its one or two supporting digipeaters, to free 145.01 for real time operations at least through prime operating hours. The proposal is not eliminate or isolate the PBBS, despite comments to the contrary! It is intended to bring some order into a system which is growing more chaotic every day. The PBBS is useful for obvious reason.

Clearly, both modes of operation do not co-exist well on the same frequency, due to the rapid-fire succession of computer-generated packet files fired out repetitively to caller after caller. The logical choice is to move the PBBS, since real time contacts between hams needing digipeater facilities will have to occur on the 145.01 digipeater network.

If you are in direct contact with a station you are connected to (no digipeaters), consider moving off 145.01 to another frequency allocated to packet, if possible. This will help to clear the main frequency for digipeater type of contacts, particularly long haul contacts. The PBBS's that support mail forwarding should be encouraged to do so on another frequency or band, but until more digipeaters are built, they could at least, out of courtesy, do it at a time when packet activity is lowest, such as early morning hours.

It is time for a long-range plan to be formulated and implemented for the benefit of all, and for the future of packet radio. The growth rate of packet in this area is phenomenal, having nearly doubled since Christmas to near one hundred operators in the Twin Cities alone! There should be an active, member-oriented organization formed (most logically Twinslan), to organize collect dues, and plan and build the digipeater networks and gateways to benefit packet radio throughout the Twinslan area.

If Twinslan doesn't intend to accept these responsibilities, then another group to carry out these worthwhile goals will be formed. Let's keep the packet community working together for a common cause, wise enough to give everyone a fair and equal chance to operate in the fashion they wish, without the unnecessary irritation of interference. A central group with a central plan would be the best route to pursue.

Your input to this issue is important. We encourage your comments to the PBBS.

Comments: This is an interesting article which we should consider for future band planning in packet.

IT SEEMS TO ME (From W9TGS)

That the crux of the FCC's objection to allowing 3rd party traffic with "Automatic Control" is "pin-pointed" in paragraph 5 of their recent release about RM-4879.

"---Amateur facilities and frequencies would be open to non-Amateurs and could eclipse other Amateur uses. Moreover, we are also concerned about the final destination of the message. We do not want to give our approbation to a mechanism which could be used to circumvent the international radio regulations which forbid exchange of Amateur third-party traffic between countries who are not parties to agreements permitting such traffic."

In case you didn't know, "approbation" is legalize for the act of approving formally or officially. Is this also a clue to something? Is there a difference between the approving of something "in" formally and formally? Can some packet group come up with a plan that will assure the FCC that non-Amateur traffic will not be handled by packet stations? Or would such an assurance preclude the use of packet communications during emergencies?

Can we come up with a similar plan that will also assure the FCC that any third-party traffic that is addressed to a license Radio Amateur and handled by a packet station will not end up in the hand of someone in some country that is not a party to third-party agreement? The first one might be easy. The last one might be tough --what's to prevent me from printing a third-party message that I might monitor and mail to a friend in a foreign country that does not have a third-party traffic agreement with the USA?

Packet is one of the few things that Amateurs have been in the forefront of development in recent years. If we, as a group, are not able to remove the stifling onus of the commission's recent ruling, the further development of packet as a viable communications medium may grind to a halt among the amateur fraternity. All the fertile minds now feverishly furthering development may look for another challenge.

Surely it is within the ability of organized packet groups to put their collective minds to work on the problem. --To contact other organized neighboring groups when they feel they have come up with some "good ideas", --To hammer all the good ideas of all the groups into one great proposal.

Or are we going to allow the harbingers of antiquity to once again set Amateur Radio back another 20 years?

Verne-W9TGS

WISCONSIN NETS ASSOCIATION

WISCONSIN NETS

NET	WNA	FREQ	UTC	CDT	MANAGER
BWN	YES	3984	1100Z	0600	WD9IID
BEN	YES	3985	1700Z	1200	WB9ESM
WSBN	YES	3985	2230Z	1730	WA9ZTY
WNN	YES	3723	2300Z	1800	KA9OBP
WSSN	YES	3645	2330Z	1830	N9BDL
WIN-E	YES	3662	0000Z	1900	WB9ICH
WIN-L	YES	3662	0300Z	2200	KC9CJ
NWTN	YES	34/94	2330Z	1830	W9JSF
WCWTN	YES	31/91	2330Z	1830	KA9RII
GR. BAY	NO	72/12	0145Z	2045	WB9NRK
			THU	WED	
WRN	NO	3625	2300Z	1800	K9UTQ
			RTTY Mon. Wed. Fri. UTC		
			Sun. Tue. Thu. Local time		

SECTION MANAGER NEWS February 1986

Richard R. Regent K9GDF
Section Manager WI
5003 South 26th Street
Milwaukee WI 53221

The Ozaukee Radio Club presents an ARRL sanctioned Swapfest at Cedarburg in the Circle B Recreation Center, Highway 60 and County I, May 3rd, beginning at 8:00 a.m. License exams, free parking, ARRL materials tables, and plenty of door prizes, with talkin on 146.97 or 146.52. See you at Cedarburg.

Just a reminder, the Green Fox ARC is a Special Service Club with informative and interesting meetings at Green Lake Town Hall, plans to provide Riponfest communications, and works with County Emergency Government; check with Club President KB9WC for details.

Now is a good time for club leaders to plan for Field Day activities.

The Green County ARA has become ARRL affiliated.

Net Control Stations are needed for daytime 9RN, contact WA4JTE; NCS wanted for evening 9RN, check with W9JUJ.

Packet Radio talk net Mondays, 9:30 p.m. on 146.67 MHz in Milwaukee.

AG9V is on Packet Radio.

Congratulations to both W9YCV and K9VGE for confirming 100 grid squares and with the help of Awards Manager N9EEE, they have received their VUCC awards.

W9CBE worked thirteen countries on the low satellites.

Info about Braille net manual for blind Hams from WB9ESM.

W9NGP suggests that, when delivering messages by telephone to licensed Amateurs, we should give information about traffic handling and encourage them to check into one of the nets.

Make a goal this year - help at least one person to become a licensed Radio Amateur.

I am compiling a new and thorough list of all nets in Wisconsin, please let me know of any local nets: swap, club, ARES, specialty or 2 - meter nets.

Your news and suggestions are always welcome.

9RN CYCLE 4 REPORT FEBRUARY 1986 QNI 343 QTC 522 QTR 1029 IN 56 SESSIONS WISCONSIN PARTICIPATION EIGHTY EIGHT PERCENT STATIONS N9AUG W9CBE KC9CJ W9DND K9GDF WB9ICH WD9IUX K9UTQ AND W9YCV 73 - W9JUJ PEGGY NET MANAGER

CAND REPORT FEBRUARY 1986 X 997 MESSAGES IN 28 SESSIONS D9RN 100 PERCENT X WISCONSIN STATIONS W9ODV N9BGE KA9RII W9CBE KC9CJ X 73 - W5KLV JERRY NET MANAGER

D9RN REPORT FOR FEBRUARY X 542 MESSAGES IN 55 SESSIONS X 1189 MINS X WISCONSIN 89 PERCENT X STATIONS KA9RII W9CBE W9ODV N9EAX WA9WYS N9BGE N9AUG N9BDL KA9RWW KA9OBP KC9CJ WB9WGD X 73 - WA4JTE DALE NET MANAGER

Jim W---, informs us that he has ordered some new personalized plates for his car marked "JAWS." He says the payments are eating him up.

TRAFFIC UNDER 50 POINTS

February 1986

WD9DNQ 32, K9FHI 28, KG9B 22, K9VSO 18, W9UW 17,
KY9P 13, WB9NRK 11, WA9USD 8, K9BED 4, W9CXY 3.

FROM THE BULLETIN MANAGER

Carl H. Plotz, Jr. WB9JSW

4429 Sherman Road

Oshkosh WI 54901

Do you remember the poster of the Uncle Sam with his finger pointing at you with the slogan "Uncle Sam Wants You?" If Official Bulletins are not being read on your local repeater, replace the picture of Uncle Sam with your fellow Hams, and that finger is pointing at you.

Why not try copying the bulletins and reading them on your local 2 - meter repeater. That's about all there is involved in being an Official Bulletin Station. If that interests you, send me a letter or radiogram, and I'll be most happy to send you more information.

Official Bulletin Stations come in different shapes and sizes. Take Archie Smith from Cameron for instance. Archie is a CW buff, and resends the bulletins using that mode on the HF bands. Archie received his first Ham ticket in 1924 (9DXB), and later worked on the Great Lakes as a CW radio operator.

He was a CW operator in WWII, working at speeds from 10 to 60 WPM. W9DND is a member of the Barron County ARES, and has been an ARRL member for over 50 years. Archie is only 82 years old. I'm proud to list Archie as an OBS. Why not join him?

THE QN SIGNALS:
UPGRADED INTERPRETATION THEREOF

circa 1960,

the late George "Bud" Woida, W9KQB

Manitowoc WI

WA: All together now, boys; loudest and longest call gets answered first.

NB: Make like a Potter/Brumfield and see why they ain't talkin to each other.

QNC: I'm teed off and all you guys is gonna hear me out.

QND: Keep your trap shut; I'm runnin this show.

QNE: Hang on; hey ma, you got a new light bulb?

QNF: That's it; SK, GE, GN, GM, CU, Adios, GB, etc. Hey! What about my traffic?

QNG: Take over; I don't remember who I sent where to do what.

QNH: Your frequency is high. Must be the pot you got hidden in your VFO.

QNI: Here I is; QRU, no QSP and out in five.

QNJ: See if you kin read him. He just won't give up on that keyer.

QNK: Give em all to DM; he's closest to a mailbox.

QNL: Watcha doin down here? MARS is up 373 kc.

QNM: Damit, lissen before you QSP when you QSY.

QNN: Some nights, I swear there's more than one.

QNO: Check me out; you can use any of my standard alibis.

QNP: Hey, you ain't makin sense; Please count your dits.

QNQ: I say ole buddy, as long as I'm waitin to give you traffic, may I join your ragchew?

QNR: Take his traffic. He's only got one... book of twenty.

QNS: The usual bunch of traffic happy hooligans.

QNT: When you gotta go, YOU GOTTA GO!

QNU: Stay awake; we got fair traffic and no one else wants it.

QNV: With your signal, you try and wake him up.

QNW: Chees, ain'tcha ever heard of ZIP code?

QNX: OK you is excused but why don't you take your laxative at bedtime?

QNY: Those area net boys came on us last night; up 10 and do thou likewise.

QNZ: Zero your signal on net frequency. Wats da matter, didn't ya learn anything as a Novice?

Eau Claire Amateur Radio Club

Eau Claire ARC Newsletter
April 1986

REPEATER HANDBOOK

N9DHT reported on the Repeater Handbook.

NEXT MEETING

The next meeting of the Eau Claire Amateur Radio Club is scheduled for Tuesday, April 8, 1986 at 7:30 P.M. at the Parks & Recreation Building on First at Oxford.

LUNCH COMMITTEE

The lunch committee is KD9OB, KA9HWN and KA9DWH. Thanks guys for your support!

FROM THE TREASURER

Don't forget that if you are renewing your ARRL Membership, send your renewal notice and the fee to KA9RII. The club picks up a slice of the pie and it doesn't cost us individuals anything... except a bit of effort.

Club Rosters are finished! To get your copy send a SASE (large business type) with \$0.22 postage and viola...you will be up to date.

MARCH MEETING SUMMARY

Meeting came to order under the direction and guidance of Pres. Layne Yost, KD9OB at 7:30. Minutes were read and approved. The treasurer reported that we have 86 members who are both club and repeater, 4 repeater only and 11 family members. Club membership is down 16 from last year.

PUBLIC RELATIONS

WA9WRM is looking for 6 volunteers for the March of Dimes walk to be held on April 26th.

HAMFEST

There will be no mailing of tickets for the hamfest this year. Tickets will be \$3.00 at the door. We will give away a Kenwood TS 530S plus numerous other prizes this year. AI9N, Larry is looking for volunteers to attend club meetings to promote the hamfest to be held on July 12th. He also needs help on the 11th to set up the hamfest site.

REPEATER REPORT

Bill, WB9ULA reported the new repeater receiver is working well. The club thanks Bill for a job well done!

Gene Van Roy, KA9RSD has offered to do our printing if we will furnish the material. His offer was accepted for the printing of our membership cards. Thanks to Gene!

K9UXP will give up a reservation for a motel room at Dayton! If anyone desires a room, contact Don. First come, first served.

Jim, N9DHT, has been appointed MARS Coordinator for emergencies for this area. Any amateurs in need of his services are free to contact him. (ed. Do you even help out in MINOR emergencies Jim?)

The club secretary asks that all materials for the newsletter be in his hands by the 10th of the month prior to publication.

The Eau Claire Amateur Radio Club meets every second Tuesday of the month. Hams and guests are welcome. March 7, 1986

Jack Johnson, KC9A

Route 6, Box 379

Chippewa Falls, WI 54729

With this issue, Badger State Smoke Signals is pleased to welcome the Eau Claire Amateur Radio Club and its members to our pages. This fine Wisconsin club will have its news in Smoke Signals every month, along with the many other clubs and organizations that we cover monthly. Please make them feel welcome to our pages.

I looked and looked for some exciting news to put here, but I was completely foiled. I did, however, dig up a some rumors that I am sure would be of extreme interest to everyone. The first one that BSSS would like to report on is that WA9---

ARMED FORCES DAY (continued from page 5)

Secretary of Defense message are the featured highlights, and include operations in CW, SSB, RTTY, and SSTV.

These tests give both Amateur Radio operators and short wave listeners the opportunity to demonstrate their individual technical skills. Special commemorative acknowledgement QSL cards will be awarded to those Amateur Radio operators achieving a verified two-way radio contact with any of the participating military radio stations.

Interception of these contacts by SWLs are not acknowledged by QSL cards, however, anyone who receives and accurately copies the Armed Forces Day CW and/or RTTY message from the Secretary of Defense can qualify to receive a special commemorative certificate from the Secretary.

CROSS BAND CONTACTS: The military-to-Amateur crossband operations will be conducted from 17/1300 UTC to 18/0245 UTC May 1986.

MILITARY STATIONS PARTICIPATING IN CROSSBAND OPERATIONS:

AAC - HF/MARS Radio Facility Presidio of San Francisco CA

AAE - HF/MARS Radio Facility, Fort Sam Houston TX

AIR - 2045th Info. Systems Group, Andrews AFB, Washington DC

NAM - Naval Comm. Area, Master Station LANT, Norfolk VA

NAV - HQ Navy-Marine Corps MARS, MARS Radio Station, Cheltenham MD

NMH - Coast Guard Radio Sta., Alexandria VA

NMN - Coast Guard Comm. Sta., Portsmouth VA

NPG - Naval Comm. Sta., Stockton CA

NPL - Naval Comm. Sta., San Diego CA

NZJ - Marine Corps Air Station, El Toro CA

WAR - HQ Army MARS Radio Sta., Fort Meade MD

Military stations will transmit on the below listed frequencies and announce the specific Amateur band frequency being monitored.

RECEIVING TEST: The CW and the RTTY broadcast will be special Armed Forces Day messages from the

Secretary of Defense to any Amateur Radio operator or SWL desiring to participate. A 10-minute tuning call will precede each transmission. The CW broadcast will be transmitted at 25 wpm, beginning at 18/0300 UTC May 1986. The RTTY broadcast will begin at 03/0345 UTC May 1986 and transmitted at 60 wpm using 170 Hz shift. Both the CW and RTTY broadcast will be transmitted from the following stations on the listed frequencies:

AAE - HF/MARS Radio Facility, Ft. Sam Houston TX
- 4018.5, 6988.0, 9990.0

AAG - HF/MARS Radio Facility, Presidio of San Francisco CA - 4021.5, 7309.5, 13994.5

AIR - 2045th Information Systems Group, Andrews Air Force Base, Washington DC - 6995.5, 13997.5

NAM - Naval Communication Area, Master Station LANT, Norfolk VA - 4005.0, 7393.0, 14400.0

NAV - HQ Navy-Marine Corps MARS Radio Station, Cheltenham MD - 7372.5, 14389.5

NPG - Naval Communication Station, Stockton CA - 4010.0, 7365.0, 13975.5

WAR - HQ Army MARS Radio Station, Fort Meade MD - 4028.5, 6997.5, 14403.5

SUBMISSION OF TEST ENTRIES: Transcriptions of the CW and/or RTTY receiving tests should be submitted "as received." No attempt should be made to correct possible transmission errors. The time, frequency and call sign of the military station copied, as well as the name, call sign and address of the individual submitting the entry must be indicated on the page containing the test message. Entries must be postmarked no later than 24 May 1986, and submitted to the respective command as follows:

AIR - Armed Forces Day Test 2045ISG/DOJM, Andrews AFB DC 20331-6345

AAE, AAG, WAR - Armed Forces Day Test, Commander, USAISC, Attn: AS-OPS-DA, Fort Huachuca AZ 85613-5000

NAM, NAV, NPG - Armed Forces Day Test, Naval Communication Unit, Washington DC 20390-5161.

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MORE PACKET NEWS

C.A.P.R.A. NOTES

Jack Sides, WB9YLR
2503 Highland Dr.
Lindenhurst, IL 60046

At the January 11 CAPRA meeting, the dues for 1986 were set at \$20.00 per year.

CAPRA has been testing a high speed 220 MHz digital link and reports are that speeds as high as 4800 baud are working but something is flakey at 9600 baud, the design rate. Testing continues.

There was a proposal brought up at the meeting regarding CAPRA's perceived duty to set packet policy in the Chicago area, specifically to address the BBS proliferation and how it adversely affects person to person QSO's. The only thing that came out of the discussion was an affirmation that it is the responsibility of each amateur or BBS owner to control his or her station's emissions so as not to interfere with others.

COMMENT: As a packet station operator located half way between Milwaukee and Chicago, I can certainly understand the frustration of many operators. When the Milwaukee area BBS's are in use, the path to the North from this area is non-existent.

There is a little bit of the "pot calling the kettle black" here, as I operate a Message Storage Operation (MSO). One major difference, however, is that with the MSO, messages are limited to 10 lines for the most part, and there is no uploading or downloading of files.

Anyway, the point I wanted to make is that perhaps the solution lies in the education of the BBS and MSO users, rather than resting solely with the owner/operators. If a little restraint were exercised by packet operators in accessing these systems during "prime" time, much of the congestion could be eliminated. Do everyone a favor... monitor the frequency for a few minutes before connecting to a BBS. If there are several QSO's in progress, hold off for a bit.

Additionally, use as few link stations as possible, and if it is obvious that you are retrying repeatedly, give it up for the time being and try later.

One final comment on reducing congestion..... If you are going to have a nice, long, leisurely chat with someone, and it is a direct connect, move off frequency. (obviously, if your station is a com-

monly used digipeater, this would not be appropriate.)

I'm sure many of you would have some opinions and ideas on this subject, and I would like to hear them. Drop me a note, or leave me a message in any of the Milwaukee or Chicago area BBS's.

Till next time.....73

Jack Sides, WB9YLR

NASA TO LAUNCH ASS

(From GEARVAKf, Winter, 1985)

A NASA spokesman announced this week a series of space missions to begin this year.

Sol B. Shiny, Undersecretary of Solar Affairs, told a gathering of newsmen that NASA plans to attempt to save the 10, 15, and 20 meter Amateur Radio bands from decreasing sunspot activity.

The project, according to Shiny, will involve launching Saturn rockets to the sun. The rockets will carry a payload of high density polymerized graphite sheeting. The sheeting will unfold on impact, creating an artificial sunspot (ASS). A yet-to-be-determined number of ASSs will be placed in a band across the face of the sun. This band (tentatively named "the Ham Band") is to alleviate the now decreasing sunspot activity.

Shiny further announced that due to the importance of accurate placement of the ASSs, it will be necessary for the Saturn rockets to complete the final approach to the Ham Band under manual control.

Volunteers will be sought from the Amateur Radio community to serve as pilots. Hams interested in volunteering should, according to Shiny, apply to the Johnson Space Center in Houston. Single Amateurs with no dependents will be given priority in selection.

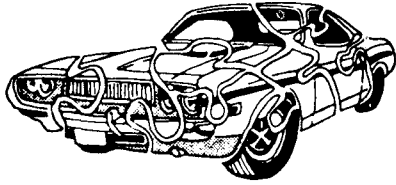
-N5GDQ

Before you give someone a piece of your mind be sure that you can get by with what you have left.

That's it for another issue of Badger State Smoke Signals. Again, we welcome the Eau Clair ARC to our pages.

---73 de bsss staff

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SUBSCRIPTION INFORMATION

Dear Fellow Radio Amateur:

If you are not a regular recipient of Badger State Smoke Signals, this sample copy is to introduce our publication to you, and invite you to join our regular readers. Smoke Signals has been published monthly for over 16 years. Originally published as the club paper for the Yellow Thunder Amateur Radio Club, it has been, for the past three years, a state-wide publication.

Badger State Smoke Signals will carry current Amateur Radio news, news about YELLOW THUNDER ARC, RIVERLAND RADIO CLUB, EAU CLAIRE ARC, WNA, WAPR, ARRL and other clubs and groups in Wisconsin as well. You will be kept apprised of what is happening in our hobby - locally, regionally, nationally and around the world. Among the many features will be Sentence Sermons, member birthdays, swapfest calendar, meeting notices, The Test Point, ARRL section news, humor and excellent feature articles by well-known Amateurs in Wisconsin and elsewhere. Reports will be included from ARRL Bulletins, ARRL Newsletters, and Westlink Reports, along with items of interest from exchange newsletters and the ARNS.

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If you wish to subscribe, please use the form below. Make checks or money orders payable to Badger State Smoke Signals. Send this form to Jim Decker, WB9UQT, Treasurer, P.O. Box 337, Baraboo, Wis. 53913.

In addition to the above rates, a special reduced rate is available to clubs having 20 or more subscriptions per year at a rate of \$4.50 each.

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	Over 50 members	\$3.60 per year

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If you are active on the traffic nets and wish to receive Smoke Signals as a WISCONSIN NETS ASSOCIATION BOOSTER please contact WNA Treasurer, Mike Hamman, KA9BHL, Rte. 5, Box 668, Tomahawk, WI 54487 for information on how to become a WNA BOOSTER.

PACKET RADIO enthusiasts are invited to join the Wisconsin Amateur Packet Radio Association (Smoke Signals is a part of your membership). For information contact Gary Gilbertson, WB9SDA, Rte. 1, Box 53, Brownsville, Wisconsin 53006.

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